

FORM PTQ-1449

Atty. Docket No.  
ATM-213Serial No.  
10/615,476LIST OF PRIOR ART  
CITED BY APPLICANTApplicants:  
Vincent Dupaquis et al.Filing Date:  
July 7, 2003

Group: 2124

## U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Publ. Date	Name	Class	Sub Class	Filing Date
	AA					
	AB					
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## FOREIGN PATENT DOCUMENTS

Examiner Initial*	Document Number	Publ. Date	Country	Class	Sub Class	Translation Yes No
	AK					
	AL					
	AM					
	AN					

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

TM	AO	J. Garcia et al., "A Combined 16-Bit Binary and Dual Galois Field Multiplier," IEEE Workshop on Signal Processing Systems, October 16, 2002, pages 63-38, XP-10616578.
TM	AP	W. Drescher et al., "VLSI Architectures for Multiplication in GF (2 <sup>m</sup> ) for Application Tailored Digital Signal Processors", 1996 IEEE, pages 55-64, XP-000827643.
TM	AQ	K.C. Bickerstaff et al., "Parallel Reduced Area Multipliers", Journal of VLSI Signal Processing Systems, April 1995, Dordrecht, NL, pages 181-191, XP 000525881.

EXAMINER:

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DATE CONSIDERED:

06/27/2006

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TM	AO	Luigi Dadda, "Composite Parallel Counters", IEEE Transactions on Computers, Vol. C-29, No. 10, October 1980, pages 942-946, XP-000757822.
	AP	
	AQ	

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DATE CONSIDERED:

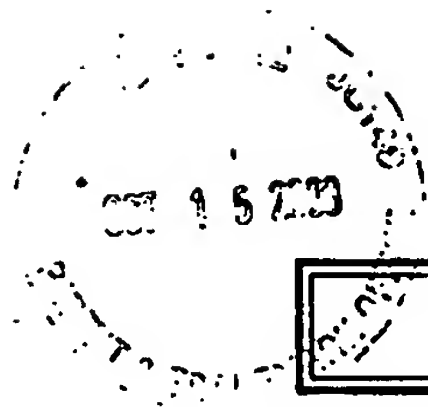
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TM	AJ	C.S. Wallace, "A Suggestion for a Fast Multiplier", IEEE Transaction on Electronic Computers, February, 1964, pages 14-17.				
TM	AK	M.J. Sebastian Smith, "Application-Specific Integrated Circuits", Addison-Wesley, 1987, 5 pages.				
TM	AL	Website printout: vlsi.wpi.edu/webcourse, D. Mlynek and Y. Leblebici, Design of VLSI Systems, "Arithmetic For Digital Systems", Chapter 6, 1998, 39 pages.				
TM	AM	Paper by Dadda, (from a paper presented at the Colloque sur l'Algebre de Boole, Grenoble France, Jan. 1965.) (no copy enclosed)				
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## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

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Title of Invention	COMBINED POLYNOMIAL AND NATURAL MULTIPLIER ARCHITECTURE																																																																																																																																						
<p>Application Number: 10/615476</p> <p>Confirmation Number: 9327</p> <p>First Named Applicant: Vincent Dupaquis</p> <p>Attorney Docket Number: ATM-213</p> <p>Art Unit: 2124</p> <p>Search string: ( 4037093 or 4251875 or 4797848 or 4847801 or 4875211 or 4918638 or 5046037 or 5414719 or 5502665 or 5602767 or 5642367 or 5768168 or 5812438 or 5951677 or 5999959 or 6003057 or 6026420 or 6101520 or 6134572 or 6138134 or 6252959 or 6314186 or 6314187 ).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>Mu</td><td>1</td><td>4037093</td><td>1977-07-19</td><td>Gregg et al.</td><td>A1</td><td>235</td><td>164</td></tr><tr><td></td><td>2</td><td>4251875</td><td>1981-02-17</td><td>Marver et al.</td><td>A1</td><td>364</td><td>754</td></tr><tr><td></td><td>3</td><td>4797848</td><td>1989-01-10</td><td>Walby</td><td>A1</td><td>364</td><td>754</td></tr><tr><td></td><td>4</td><td>4847801</td><td>1989-07-11</td><td>Walby</td><td>A1</td><td>364</td><td>746.1</td></tr><tr><td></td><td>5</td><td>4875211</td><td>1989-10-17</td><td>Murai et al.</td><td>A1</td><td>371</td><td>40.1</td></tr><tr><td></td><td>6</td><td>4918638</td><td>1990-04-17</td><td>Matsumoto et al.</td><td>A1</td><td>364</td><td>746.1</td></tr><tr><td></td><td>7</td><td>5046037</td><td>1991-09-03</td><td>Cognault et al.</td><td>A1</td><td>364</td><td>746.1</td></tr><tr><td></td><td>8</td><td>5414719</td><td>1995-05-09</td><td>Iwaki et al.</td><td>A1</td><td>371</td><td>37.1</td></tr><tr><td></td><td>9</td><td>5502665</td><td>1996-03-26</td><td>Im</td><td>A1</td><td>364</td><td>746.1</td></tr><tr><td></td><td>10</td><td>5602767</td><td>1997-02-11</td><td>Fettweis et al.</td><td>A1</td><td>364</td><td>746.1</td></tr><tr><td></td><td>11</td><td>5642367</td><td>1997-06-24</td><td>Kao</td><td>A1</td><td>371</td><td>40.1</td></tr><tr><td></td><td>12</td><td>5768168</td><td>1998-06-16</td><td>Im</td><td>A1</td><td>364</td><td>746.1</td></tr><tr><td></td><td>13</td><td>5812438</td><td>1998-09-22</td><td>Lan et al.</td><td>A1</td><td>364</td><td>746.1</td></tr><tr><td></td><td>14</td><td>5951677</td><td>1999-09-14</td><td>Wolf et al.</td><td>A1</td><td>712</td><td>228</td></tr><tr><td></td><td>15</td><td>5999959</td><td>1999-12-07</td><td>Weng et al.</td><td>A1</td><td>708</td><td>492</td></tr></tbody></table>								init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	Mu	1	4037093	1977-07-19	Gregg et al.	A1	235	164		2	4251875	1981-02-17	Marver et al.	A1	364	754		3	4797848	1989-01-10	Walby	A1	364	754		4	4847801	1989-07-11	Walby	A1	364	746.1		5	4875211	1989-10-17	Murai et al.	A1	371	40.1		6	4918638	1990-04-17	Matsumoto et al.	A1	364	746.1		7	5046037	1991-09-03	Cognault et al.	A1	364	746.1		8	5414719	1995-05-09	Iwaki et al.	A1	371	37.1		9	5502665	1996-03-26	Im	A1	364	746.1		10	5602767	1997-02-11	Fettweis et al.	A1	364	746.1		11	5642367	1997-06-24	Kao	A1	371	40.1		12	5768168	1998-06-16	Im	A1	364	746.1		13	5812438	1998-09-22	Lan et al.	A1	364	746.1		14	5951677	1999-09-14	Wolf et al.	A1	712	228		15	5999959	1999-12-07	Weng et al.	A1	708	492
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Signature

Examiner Name	Date
<i>Man</i>	6/27/06